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(See inside cover)



Summary Report

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

TYPE D COMSAT STATION IDENTIFIED IN THE USSR (S)

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(WNINTEL)

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DISSEMINATION CONTROL ABBREVIATIONS

| | |
|------------|--|
| NOFORN- | Not Releasable to Foreign Nationals |
| NOCONTRACT | Not Releasable to Contractors or Contractor/Consultants |
| PROPIN | Caution-Proprietary Information Involved |
| USIBONLY- | USIB Departments Only |
| ORCON | Dissemination and Extraction of Information Controlled by Originator |
| REL | This Information has been Authorized for Release to . . . |





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Type D Comsat Station Identified in the USSR (S)

(S/WNINTEL) A new type of communications satellite (comsat) station has been identified at three radio communications transmitter stations in the USSR from photography of


 The facilities are Yeniseysk Radio Communications and Radio-Relay Transmitter Station South  Pokrovka Radio-Relay and High-Frequency Transmitter Station  and Yelozovo Navy Radio Communications Transmitter Station ()

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(TSR) This new type of comsat station, designated as type D, is a one-story building, 20 by 13 by 4 meters (Figure 1). The antenna pedestals are at the ends of the building, off center from the long axis and approximately 18 meters apart. The dimensions of the type D comsat station are the same as those for the type A and B comsat stations except that the overall length of the type D building is 6 meters shorter (Figure 2).

(S/WNINTEL) No antennas were observed at the three new comsat stations. However, they will each probably have two  antennas, as do the types A, B, and C comsat stations.

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List of Conversion Factors by Classification

UNITS OF LENGTH

| <i>IF YOU HAVE</i> | <i>MULTIPLY BY</i> | <i>TO OBTAIN</i> |
|--------------------|--------------------|------------------|
| MILLIMETERS | 0.0394 | INCHES |
| CENTIMETERS | 0.3937 | INCHES |
| INCHES | 25.4000 | MILLIMETERS |
| INCHES | 2.5400 | CENTIMETERS |
| FEET | 0.3048 | METERS |
| FEET | 0.0003 | KILOMETERS |
| YARDS | 0.9144 | METERS |
| METERS | 3.2808 | FEET |
| METERS | 0.0005 | MILES(NAUTICAL) |
| METERS | 1.0936 | YARDS |
| KILOMETERS | 3280.8400 | FEET |
| KILOMETERS | 0.6214 | MILES(STATUTE) |
| KILOMETERS | 0.5400 | MILES(NAUTICAL) |
| MILES(STATUTE) | 1.6093 | KILOMETERS |
| MILES(NAUTICAL) | 6076.1154 | FEET |
| MILES(NAUTICAL) | 1.8520 | KILOMETERS |
| MILES(NAUTICAL) | 1852.0000 | METERS |

UNITS OF MASS

| <i>IF YOU HAVE</i> | <i>MULTIPLY BY</i> | <i>TO OBTAIN</i> |
|--------------------|--------------------|------------------|
| KILOGRAMS | 2.2046 | POUNDS(AVOIR.) |
| POUNDS(AVOIR.) | 0.4536 | KILOGRAMS |
| SHORT TONS | 0.9072 | METRIC TONS |
| METRIC TONS | 1.1023 | SHORT TONS |
| METRIC TONS | 0.9842 | LONG TONS |
| LONG TONS | 1.0160 | METRIC TONS |

UNITS OF VOLUME

| <i>IF YOU HAVE</i> | <i>MULTIPLY BY</i> | <i>TO OBTAIN</i> |
|--------------------|--------------------|------------------|
| LITERS | 0.2642 | GALLONS |
| LITERS | 0.0063 | BARRELS(POL) |
| LITERS | 0.0010 | CUBIC METERS |
| GALLONS | 3.7854 | LITERS |
| GALLONS | 0.1337 | CUBIC FEET |
| GALLONS | 0.0238 | BARRELS(POL) |
| GALLONS | 0.0038 | CUBIC METERS |
| BUSHELS | 0.0352 | CUBIC METERS |
| CUBIC FEET | 7.4805 | GALLONS |
| CUBIC FEET | 0.1781 | BARRELS(POL) |
| CUBIC FEET | 0.0283 | CUBIC METERS |
| CUBIC YARDS | 0.7646 | CUBIC METERS |
| BARRELS(POL) | 158.9873 | LITERS |
| BARRELS(POL) | 42.0000 | GALLONS |
| BARRELS(POL) | 5.6146 | CUBIC FEET |
| BARRELS(POL) | 0.1590 | CUBIC METERS |
| CUBIC METERS | 1000.0000 | LITERS |
| CUBIC METERS | 264.1721 | GALLONS |
| CUBIC METERS | 35.3147 | CUBIC FEET |
| CUBIC METERS | 28.3776 | BUSHELS |
| CUBIC METERS | 6.2898 | BARRELS(POL) |
| CUBIC METERS | 1.3080 | CUBIC YARDS |

UNITS OF AREA

| <i>IF YOU HAVE</i> | <i>MULTIPLY BY</i> | <i>TO OBTAIN</i> |
|--------------------|--------------------|--------------------|
| SQUARE CENTIMETERS | 0.1550 | SQUARE INCHES |
| SQUARE INCHES | 6.4516 | SQUARE CENTIMETERS |
| SQUARE FEET | 0.0929 | SQUARE METERS |
| SQUARE YARDS | 0.8361 | SQUARE METERS |
| SQUARE METERS | 10.7639 | SQUARE FEET |
| SQUARE METERS | 1.1960 | SQUARE YARDS |
| SQUARE METERS | 1.0000 | CENTARES |
| SQUARE METERS | 0.0002 | ACRES |
| SQUARE METERS | 0.0001 | HECTARES |
| ACRES | 4046.8564 | SQUARE METERS |
| ACRES | 0.4047 | HECTARES |
| HECTARES | 10000.0000 | SQUARE METERS |
| HECTARES | 2.4711 | ACRES |

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